



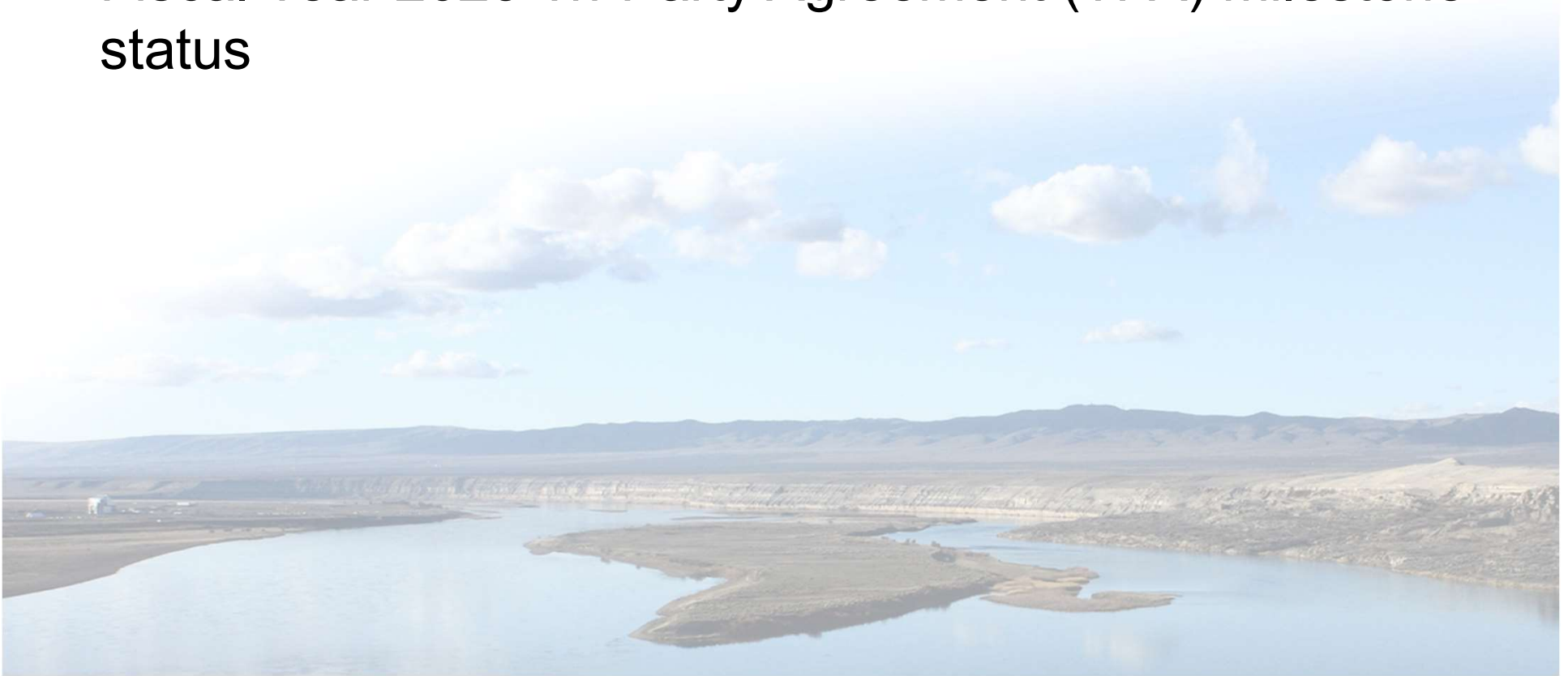
# THE HANFORD SITE

## **Budget Overview for Fiscal Year 2023 Regulator Briefing**

TPA Paragraph 149.D

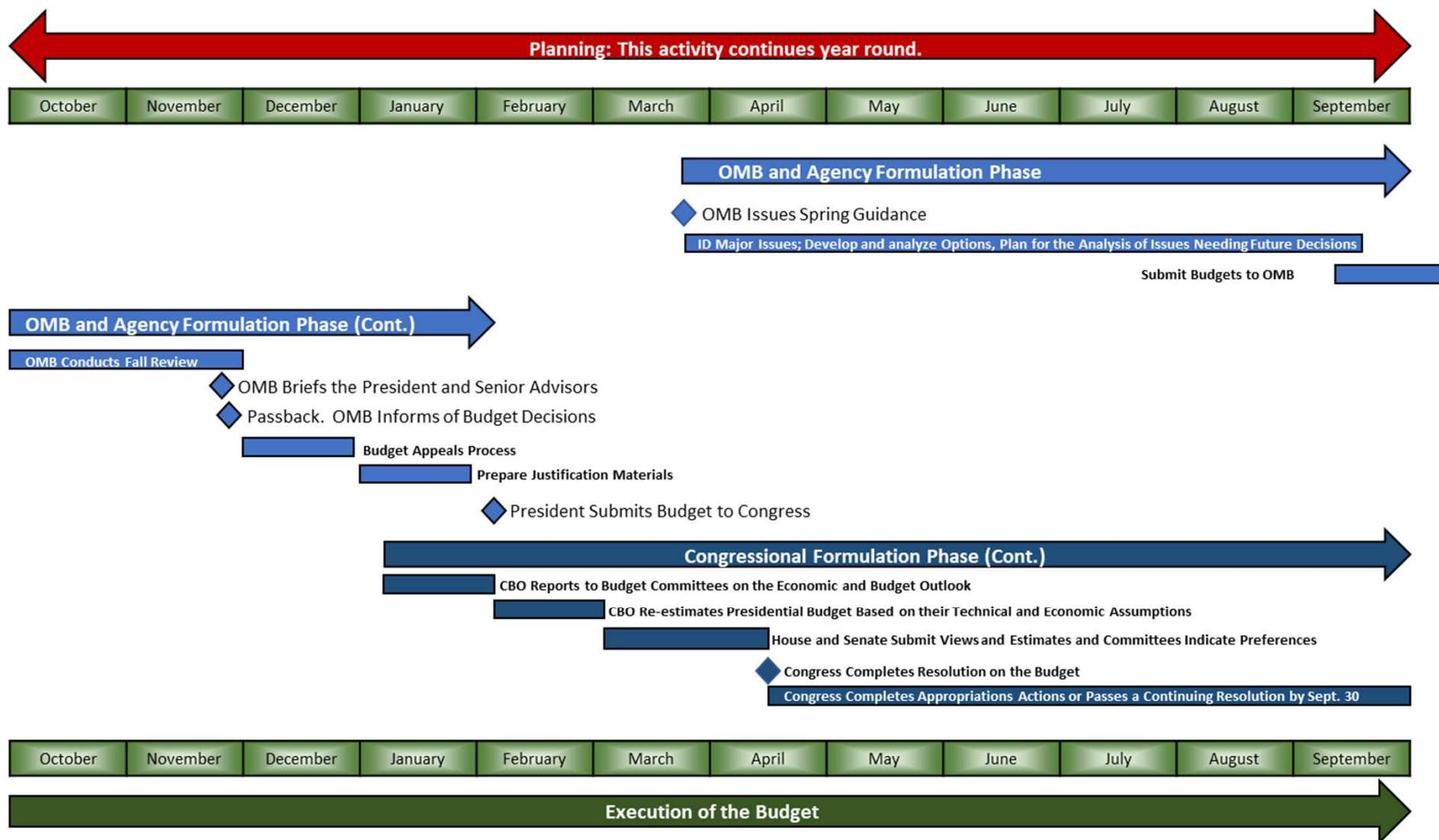
*June 08, 2022*

- DOE Fiscal Year 2023 President's budget request
- Fiscal Year 2023 Tri-Party Agreement (TPA) milestone status



- Deliver safe and secure operations
- Manage, treat, and disposition tank waste
- Stabilize aging structures
- Demolish retired facilities
- Remediate waste sites
- Treat contaminated groundwater
- Maintain infrastructure to support the mission

# Budget Timeline



\*During OMB's Agency Formulation Phase, Budget Allocations are Embargoed and **NOT** Releasable Outside of the Administration

# Office of River Protection Budget Profile

PBS	PBS Title	FY 2021 Enacted	FY 2022 Enacted	FY 2023 President's Request
ORP-0014	Radioactive Liquid Tank Waste Stabilization and Disposition	784,000	837,642	801,100
ORP-0014	23-D-403: Hanford 200 West Area Tank Farms Risk Management Project	0	0	4,408
ORP-0014A	LLW Offsite Disposal	0	7,000	0
<b>Tank Farms</b>		<b>784,000</b>	<b>844,642</b>	<b>805,508</b>
ORP-0060	LBL / Direct-Feed LAW	786,000	586,000	0
ORP-0060	High-Level Waste Facility	25,000	144,358	316,200
ORP-0060	Pretreatment Facility	0	20,000	20,000
<b>Waste Treatment and Immobilization Plant (WTP)</b>		<b>811,000</b>	<b>750,358</b>	<b>336,200</b>
ORP-0070	WTP Commissioning	50,000	50,000	462,700
<b>Total</b>	<b>Office of River Protection Funding Summary</b>	<b>1,645,000</b>	<b>1,645,000</b>	<b>1,604,408</b>

FY = fiscal year

PBS = project baseline summary

LAW = low-activity waste

LBL = Low-Activity Waste Facility, Balance of Facilities, and Analytical Laboratory

LLW = low-level waste

# Office of River Protection TPA Milestones Fiscal Year 2023 Status

PBS Risk	Milestone Number	Title	Due Date	Status
ORP-0014	M-045-92Y	Complete Construction of Barrier 3 in 241-TX Farm	10/31/2022	Completed
ORP-0014	M-045-92AF	Submit Yearly Reports Summarizing the Results of Maintenance and Performance Monitoring Activities	10/31/2022	On Schedule
ORP-0014	M-062-40I	Select a Minimum of 3 Scenarios	10/31/2022	On Schedule
ORP-0014	M-062-34-T01	Complete Hot Commissioning of Supplemental Treatment Vitrification Facility and/or WTP Enhancements	12/30/2022	Dispute Resolution
ORP-0014	M-042-10-T01	Complete Leak Test/Internal Inspections, or Other Tank Integrity Examination of DST Components	12/31/2022	On Schedule
ORP-0014	M-062-54B	Achieve Substantial Completion of LAW Pretreatment Capability Construction for DFLAW Initial Ops	12/31/2022	On Schedule
ORP-0014	M-062-01AT	Submit Semi-Annual Project Compliance Report to Ecology	01/31/2023	On Schedule
ORP-0060	M-062-21	Annually Submit Data Which Demonstrates Operation of WTP at a Rate Sufficient to Meet M-062-00	02/28/2023	At Risk
ORP-0014	M-062-51	Achieve Substantial Completion of LERF/ETF Construction Upgrades Necessary for LAW Hot Commissioning	04/15/2023	On Schedule
ORP-0060	M-062-54	Low Activity Waste Pretreatment Capability; Cold Commissioning Complete	04/30/2023	On Schedule
ORP-0014	M-062-52	Achieve Substantial Completion of Secondary Waste Construction Necessary for LAW Hot Commissioning	06/30/2023	On Schedule
ORP-0014	M-045-56S	Ecology and DOE Agree, at a Minimum, to Meet Yearly (by July 2023)	07/31/2023	On Schedule

# Office of River Protection TPA Milestones Fiscal Year 2023 Status

PBS Risk	Milestone Number	Title	Due Date	Status
ORP-0014	M-062-01AU	Submit Semi-Annual Project Compliance Report to Ecology	07/31/2023	On Schedule
ORP-0014	M-062-53	Effluent Management Facility (EMF) Cold Commissioning Start	08/15/2023	On Schedule
ORP-0014	M-062-55	LAWP Capability Necessary to Feed DFLAW; Hot Commissioning Complete	08/15/2023	On Schedule
ORP-0014	M-045-91E5	Provide SST Farms Dome Deflection Surveys Every 2 Years to Ecology	09/30/2023	On Schedule
ORP-0014	M-045-91K	Complete Initial Baseline Visual Inspections of All SSTs	09/30/2023	On Schedule

\* Discussions regarding these HFFACO milestones have been ongoing in mediated, confidential Holistic Negotiations between DOE, the State of Washington, and the U.S. Environmental Protection Agency.

- Direct-Feed Low-Activity Waste
  - Continue Tank-Side Cesium Removal operations
  - Complete Effluent Treatment Facility upgrades
  - Resume 242-A Evaporator operations
  - Complete cold commissioning
  - Perform Melter 2 heat-up
  - Initiate Operational Readiness Review (ORR)
- Progress High-Level Waste:
  - Complete 60% design review of all 56 systems
  - Complete 90% design review of 16 systems (28 of 56)
  - Award procurements to support design and construction
  - Initiate construction preparations

- Initiate AX-101 retrieval
- Complete A Tank Farm retrieval preparations
- Continue tank integrity program activities
- Perform vadose zone direct push characterization for Waste Management Area A/AX
- Obtain permit and perform 2,000-gallon Test Bed Initiative demonstration
- Complete construction of the Liquid Effluent Retention Facility Basin 41
- Complete installation of the 241-U Tank Farm interim surface barrier
- Complete the 222-S Laboratory office

# Richland Operations Office Budget Profile

PBS	PBS Title	FY 2021 Enacted	FY 2022 Enacted	FY 2023 President's Request
RL-0011	Nuclear Material Stabilization and Disposition – PFP	17,359	16,500	0
RL-0013C	Solid Waste Stabilization and Disposition	182,340	172,783	169,600
RL-0030	Soil and Water Remediation – Groundwater / Vadose Zone	116,966	131,308	152,700
RL-0201	Hanford Sitewide Services	353,335	330,335	327,940
<b>Central Plateau Remediation</b>		<b>670,000</b>	<b>650,926</b>	<b>650,240</b>
RL-0040	Nuclear Facility D&D – Remainder of Hanford	101,044	89,413	49,000
RL-0041	Nuclear Facility D&D – River Corridor Closure Project	131,435	165,066	86,000
<b>River Corridor and Other Cleanup Operations</b>		<b>232,479</b>	<b>254,479</b>	<b>135,000</b>
RL-0013C	18-D-404 WESF Modifications and Capsule Storage	15,000	8,000	3,100
RL-0201	22-D-401 – L-888, 400 Area Fire Station	0	15,200	3,100
RL-0201	22-D-402 – L-897, 200 Area Water Treatment Facility	0	12,900	8,900
RL-0201	23-D-404: 181D Export Water System Reconfiguration and Upgrade	0	0	6,770
RL-0201	23-D-405: 181B Export Water System Reconfiguration and Upgrade	0	0	480
RL-0020	Safeguards and Security	96,300	99,300	96,300
RL-0042	Nuclear Facility D&D – Fast Flux Test Facility	2,500	3,100	3,200
RL-0100	Richland Community and Regulatory Support	8,621	8,621	10,013
<b>Total</b>	<b>Richland Operations Office Funding Summary</b>	<b>1,024,900</b>	<b>1,052,426</b>	<b>917,103</b>

D&amp;D = deactivation and decommissioning

PFP = Plutonium Finishing Plant

FY = fiscal year

WESF = Waste Encapsulation and Storage Facility

PBS = project baseline summary

# Richland Operations Office TPA Milestones Fiscal Year 2023 Status

PBS	Milestone Number	Title	Due Date	Status
RL-0030	M-015-92B	Submit RFI/CMS & RI/FS Report & PCAD/PP for 200-EA-1 OU to Ecology	11/30/2022	In Abeyance
RL-0013C	M-091-53B	Remove 10 Additional Mixed Waste Containers from OSA A and/or OSA B	11/30/2022	On Schedule
RL-0040	M-016-87-T02A	Submit to EPA the Final SAP, if Changes are Needed to Satisfy the DQOs	12/31/2022	On Schedule
RL-0041	M-016-87-T02B	Update the 618-11 CSM and Create the Vadose Zone Model and Submit Environmental Calculation Files	12/31/2022	On Schedule
RL-0041	M-016-87-T02C	Submit Interim Action Alternative Analysis to EPA for Reducing Infiltration at 618-11	12/31/2022	On Schedule
RL-0030	M-024-73	Complete the Construction of All Wells Listed for CY22 and Before	12/31/2022	On Schedule
RL-0030	M-015-93B	Submit RCRA FI/CMS & RI/FS Report & Proposed CA Decision/PP for 200-SW-2 OU	01/31/2023	In Abeyance
RL-0013C	M-026-01AF	Submit Hanford Land Disposal Restrictions Summary Report (for 2021)	02/28/2023	On Schedule
RL-0030	M-015-92C	Submit RFI/CMS and RI/FS Report and PCAD/PP for 200-IS-1 OU to Ecology	03/31/2023	In Abeyance
RL-0030	M-024-58P	Initiate Discussions of Well Commitments	06/01/2023	On Schedule
RL-0030	M-016-87-T03	Complete Well Implementation Around 618-11, if Needed to Satisfy the DQOs	06/30/2023	On Schedule
RL-0013C	M-091-03Q	Submit Revision of TRUM Waste and MLLW PMP to Ecology	06/30/2023	On Schedule

# Richland Operations Office TPA Milestones Fiscal Year 2023 Status

PBS	Milestone Number	Title	Due Date	Status
RL-0030	M-015-38B	Submit a FS Report & PP for 200-CW-1, 200-CW-3 & 200-OA-1 OUs to EPA	07/31/2023	In Abeyance
RL-0030	M-015-91B	Submit FS Report & Proposed Plan for the 200-BC-1/200-WA-1 OUs to EPA	07/31/2023	In Abeyance
RL-0030	M-024-74-T01	Conclude Discussions of Well Commitments Initiated Under M-024-58	08/01/2023	On Schedule
RL-0013C	M-026-01AG	Submit Hanford Land Disposal Restrictions Summary Report (for 2022)	08/31/2023	On Schedule
RL-0041	M-016-181	Complete Deactivation, Demolition & Removal of 105-KW FSB	09/30/2023	At Risk*
RL-0030	M-015-110B	Submit CMS & FS & Proposed Plan/CA Decision for 200-DV-1 OU to Ecology	09/30/2023	In Abeyance
RL--0013C	M-062-57	Integrated Disposal Facility (IDF) Operational	09/30/2023	On Schedule
RL-0040	M-085-84B	Complete Demolition of PUREX Ancillary Facilities 203A Building/Tank Yard and 205A Building	09/30/2023	On Schedule
RL--0013C	M-091-47-T03	Certify or Treat 280 Cubic Meters of TRUM Waste and MLLW	09/30/2023	On Schedule

\*Milestone under negotiation due to delayed sludge removal and COVID-19 impacts.

- Readiness of Integrated Disposal Facility (IDF) to support DFLAW operations
- Complete construction of K East Reactor safe secure enclosure
- Stabilize high-dose debris in K West vertical pipe casings
- Treat 2.2 billion gallons of groundwater
- Complete WESF Modifications to support Capsule Dry storage
- Continue canyon risk mitigation activities (PUREX/REDOX)

# Questions



***ATTENDEES***  
***Budget Overview for Fiscal Year 2023***  
***TPA Commitment 149.D***  
***June 8, 2022***

<b><u>Name:</u></b>	<b><u>Organization:</u></b>
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